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OFFICIAL**DATE:** May 25, 2004**PTO IDENTIFIER:** Application Number 10/784,938
Patent Number**Inventor:** Yoshiki Nakagawa**MESSAGE TO:** US Patent and Trademark Office**FAX NUMBER:** (703) 872-9306**FROM:** CONNOLLY BOVE LODGE & HUTZ LLP

Burton A. Amernick

PHONE: (202) 331-7111**Attorney Dkt. #:** 21581-00186-US3**PAGES (Including Cover Sheet):** 5**CONTENTS:** IDS (Citation) by Applicant (1 page);
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Docket No.: 21581-00186-US3
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Yoshiki Nakagawa

Application No.: 10/784,938

Filed: February 25, 2004

For: POLYMERS AND PROCESS FOR
PRODUCING POLYMERS

Confirmation No.:

Art Unit: N/A

Examiner: Not Yet Assigned

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INFORMATION DISCLOSURE STATEMENT (IDS)

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Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

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Those patent(s) or publication(s) which are marked with a double asterisk (**) next to the Cite No. in the attached form PTO/SB/08 (facsimile) are not supplied because they were previously cited by or submitted to the Office in a prior application number 10/193,583, filed July 12, 2002 and relied upon in this application for an earlier filing date under 35 U.S.C. 120.

Application No.: 10/784,938

Docket No.: 21581-00186-US3

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 22-0185, under Order No. 21581-00186-US3. A duplicate copy of this paper is enclosed.

Dated: May 25, 2004

Respectfully submitted,

By 

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	10/784,938
			Filing Date	February 25, 2004
			First Named Inventor	Yoshiki Nakagawa
			Art Unit	N/A
			Examiner Name	Not Yet Assigned
			Attorney Docket Number	21581-00186-US3
Sheet	1	of	2	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA**	US-3,725,370	04/1973	Halasa et al.	
	AB**	US-4,503,188	03/1985	Mancinelli	
	AC**	US-5,006,623	04/1991	Watanabe et al.	
	AD**	US-5,260,377	11/1993	Weber et al.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² -Number ³ -Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
	BA**	DE-3924047-A1	01/1991			
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	BM**	WO-97/18247	05/1997			

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Examiner Signature		Date Considered	
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US006720395B2

(12) **United States Patent**
Nakagawa

(10) Patent No.: **US 6,720,395 B2**
(45) Date of Patent: ***Apr. 13, 2004**

(54) **METHOD FOR PRODUCING A STELLAR POLYMER**

(75) Inventor: **Yoshiaki Nakagawa, Kobe (JP)**

(73) Assignee: **Kinneku Corporation, Osaka (JP)**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(h) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **10/193,583**

(22) Filed: **Jul. 12, 2002**

(65) **Prior Publication Data**

US 2002/0188080 A1 Dec. 12, 2002

Related U.S. Application Data

(63) Continuation of application No. 09/463,622, filed as application No. PCT/JP98/03350 on Jul. 28, 1998.

(30) **Foreign Application Priority Data**

Jul. 28, 1997 (JP) 9-201346

(51) Int. Cl.⁷ **C08F 8/00; C08F 4/32; C08F 4/50; C08F 4/80; C08F 12/00; C08F 14/18; C08F 20/00; C08F 30/08; C08F 297/00**

(52) U.S. Cl. **526/135; 526/145; 526/146; 526/147; 525/316; 525/242; 525/247; 525/313; 525/314; 525/305**

(58) Field of Search **526/135, 145, 526/146, 147; 525/316, 242, 247, 313, 314, 305**

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Primary Examiner—D. R. Wilson

(74) Attorney, Agent, or Firm—Connolly Bove Lodge & Hutz, L.L.P.

(57) **ABSTRACT**

A method of producing a stellar polymer which comprises polymerizing a vinyl monomer in the manner of living radical polymerization and adding a compound having two or more polymerizable carbon-carbon double bonds at the end point of the polymerization is provided. A composition which comprises, as an essential component, a hydroxyl-terminated polymer falling under said polymer and a compound having, in each molecule, not less than two functional groups reactive with the hydroxyl group is provided.

17 Claims, No Drawings